

Publications

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Full authorship list including those from past and current collaborations is available upon request

Refereed Publications

- **Testing of High Voltage Surge Protection Devices for Use in Liquid Argon TPC Detectors**
J. Asaadi, J.M. Conrad, S. Gollapinni, B.J.P. Jones, H. Jostlein, J.M. St. John, T. Strauss, S. Wolbers, J. Zennaro
JINST 9 P09002 (2014), arXiv:1406.5216
- **Measurement of the inclusive neutral current π^0 cross-section with the ArgoNeuT detector in the NuMI low energy beam**
The ArgoNeuT Collaboration: R. Acciarri et al
In preparation
- **The detection of back-to-back proton pairs in Charged-Current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam**
The ArgoNeuT Collaboration: R. Acciarri et al
Phys. Rev. D 90, 012008 (2014), arXiv:1405.4261
- **Measurements of Inclusive Muon Neutrino and Antineutrino Charged Current Differential Cross Sections on Argon in the NuMI Antineutrino Beam**
The ArgoNeuT Collaboration: R. Acciarri et al
Phys. Rev. D 89, 112003 (2014), arXiv:1404.3698
- **Signature-based search for delayed photons in the exclusive photon plus missing transverse energy events from $p\bar{p}$ collisions with $\sqrt{s} = 1.96$ TeV**
The ArgoNeuT Collaboration: R. Acciarri et al
Phys. Rev. D 88, 031103 (2013), arXiv:1307.0474

White Papers

- **ArgonCube: a novel, fully-modular approach for the realisation of large-mass liquid argon TPC neutrino detectors**
J. Asaadi, M. Auger, S. Braccini, J. Bremer, A. Ereditato, B. Fleming, D. Göldi, R. Hänni, U. Kose, I. Kreslo, M. Lüthi, P. Lutz, D. Mladenov, M. Nessi, F. Noto, Ch. Rudolph Von Rohr, D. Smargianaki, Th. Strauss, M. Weber
CERN Letter of Intent, To be submitted January 2015

- **Snowmass 2013 Young Physicists Science and Career Survey Report**
J. Anderson, J. Asaadi, B. Carls, R. Cotta, R. Guenette, B. Kiburg, A. Kobach, H. Lippincott, B. Littlejohn, J. Love, B. Penning, M. Soares Santos, T. Strauss, A. Szec, E. Worcester, F. Yu
Snowmass White paper SNOW13-00132, arXiv:1307.8080
- **LArIAT: Liquid Argon In A Testbeam**
The LArIAT Collaboration
arXiv:1406.5560
- **LAr1-ND: Testing Neutrino Anomalies with Multiple LArTPC Detectors at Fermilab**
The LAr1-ND Collaboration: C. Adams et al
Snowmass White paper SNOW13-00176, arXiv:1309.7987

Technical Documentation

- **Gauss Hit Finder: Hit finding for the MicroBooNE TPC**
J. Asaadi
Internal MicroBooNE DocDB 3843 (November 2014)
- **Summary of the Varistor Solution to the MicroBooNE Resistor Problem**
J. Asaadi, B.J.P. Jones, J. Zennamo
Internal MicroBooNE DocDB 3327 (March 2014)
- **Behavior of Varistors on the MicroBooNE TPC**
J. Asaadi, B.J.P. Jones, J. Zennamo
Internal MicroBooNE DocDB 3325 (March 2014)
- **Report on Surge Protection Devices and Their Suitability for Over-Voltage Protection**
J. Asaadi, B. Jones, J. St. John, T. Strauss, J. Zennamo
Internal MicroBooNE DocDB 3242 (March 2014)
- **Cleaning Procedures for the TPC Parts**
J. Asaadi, R. Grosso, B. Littlejohn, J. Raaf, C. Rudolf von Rohr, T. Strauss
Internal MicroBooNE DocDB 2259 (November 2012)
- **Y-Plane Wire Winding at Syracuse**
J. Asaadi, M. Soderberg
Internal MicroBooNE DocDB 2125 (August 2012)
- **Calibration and Performance of the EMTiming and Central Outer Tracker System for use in Delayed Photon Searches**
J. Asaadi, A. Aurisano, D. Goldin, J. Nett, D. Toback
Internal CDF Note 10607 (July 2012)
- **Rejecting $e \rightarrow \gamma_{fake}$ Candidates with Loose Track Matching**
J. Asaadi, A. Aurisano, D. Goldin, J. Nett, D. Toback
Internal CDF Note 10773 (June 2012)

- **Tevatron Timing and z Collision Distribution for use in Delayed Photon Analysis**
J. Asaadi, R. Moore, D. Toback
Internal CDF Note 9812 (December 2009)